Title: MICROPORATION OF TISSUE FOR DELIVERY ... Inventor(s): Jonathan A. EPPSTEIN Application No.: New Docket No.: 476442000102

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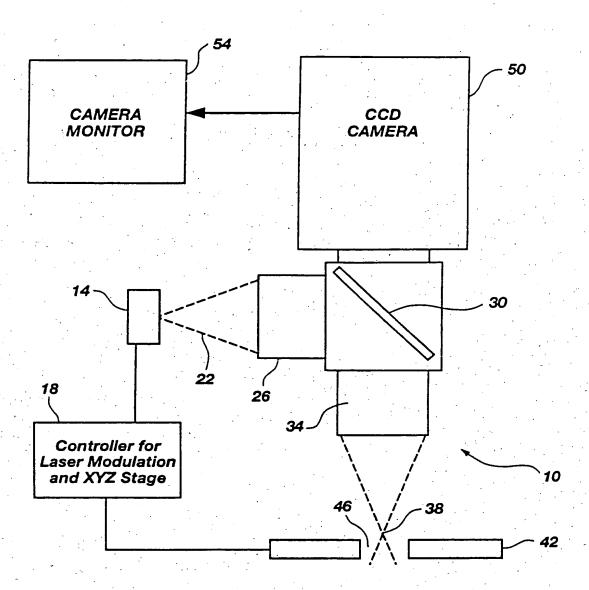


Fig. 1

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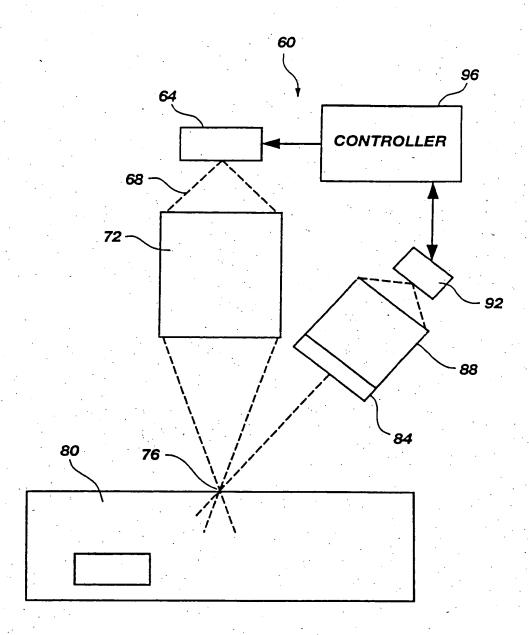


Fig. 2

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Inventor(s): Jonathan A. EPPSTEIN

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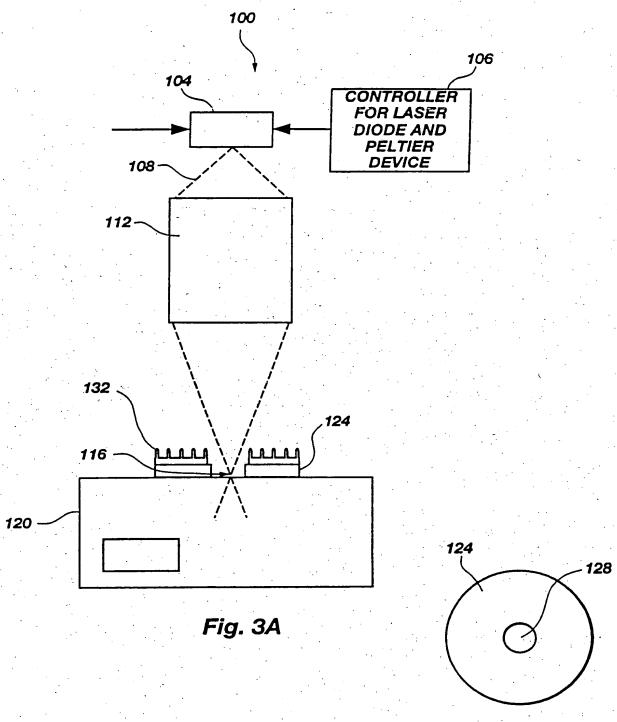


Fig. 3B

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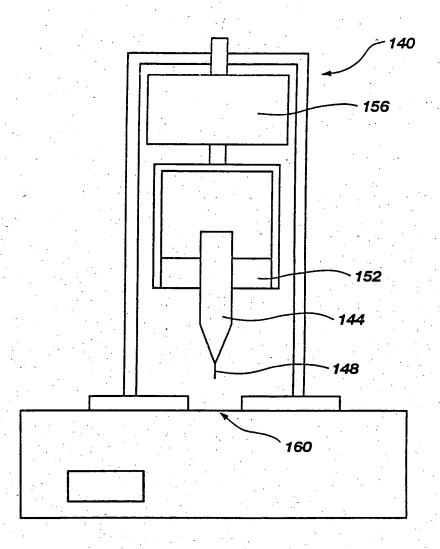


Fig. 4

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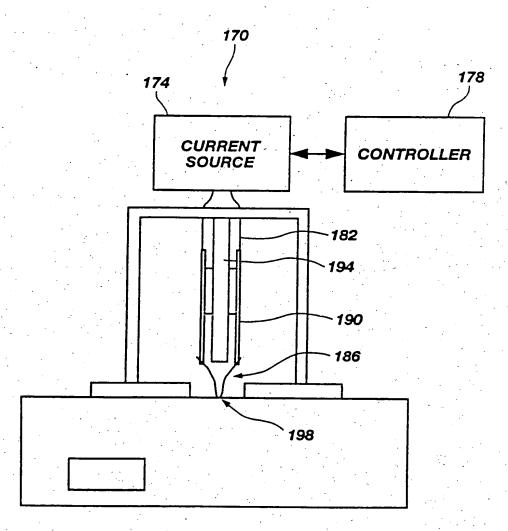


Fig. 5

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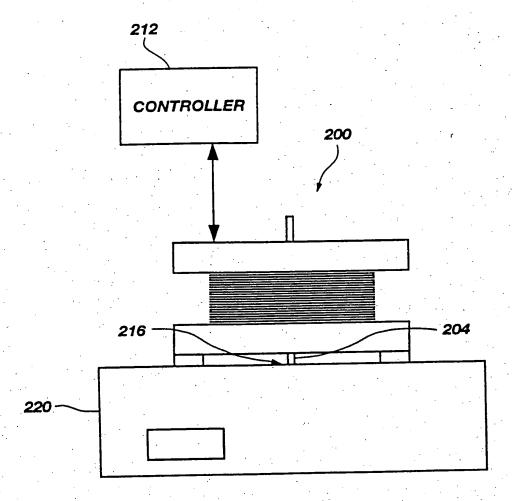


Fig. 6

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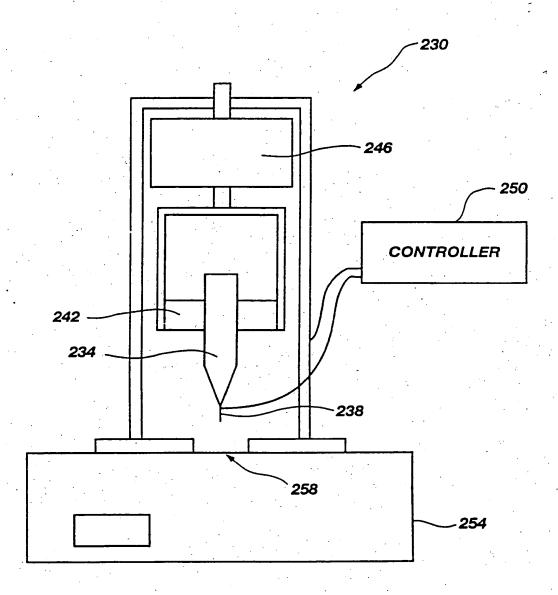


Fig. 7

Title: MICROPORATION OF TISSUE FOR DELIVERY ... Inventor(s): Jonathan A. EPPSTEIN
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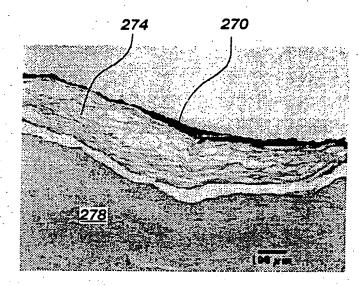


Fig. 8A

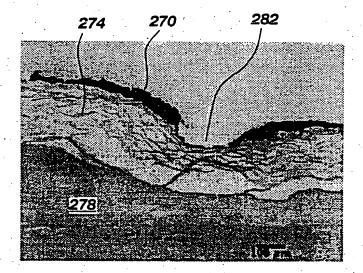


Fig. 8B

Thie: MICROPORATION OF TISSUE FOR DEL. ERY ... Inventor(s): Jonathan A. EPPSTEIN
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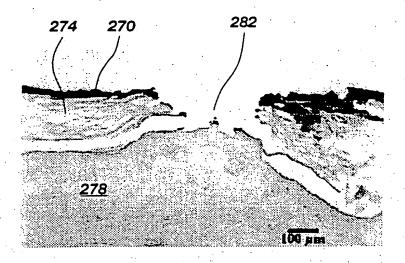


Fig. 8C

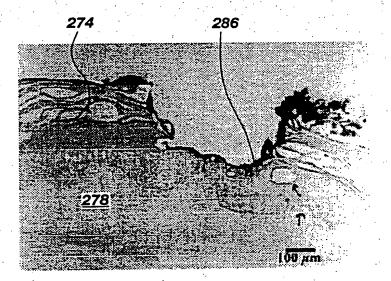


Fig. 8D

Title: AICROPORATION OF TISSUE FOR DELIVEY ...
Inventor(s): Jonathan A. EPPSTEIN
Application No.: New
Docket No.: 476442000102 MAXIMUM LENGTH OF A SINGLE HEAT PULSE, t=.021 SECONDS, UNTIL DAMAGE THRESHOLD ENTERS VIABLE TISSUE Sheet 10 of 34 DEPTH INTO SKIN IN MICRONS 120 3 140 8 20 80 8 0 DAMAGE THRESHOLD ENTERING EPIDERMIS 123C 70C 45C **EPIDERMIS** CORMEUM STRATUM DYE DERMIS

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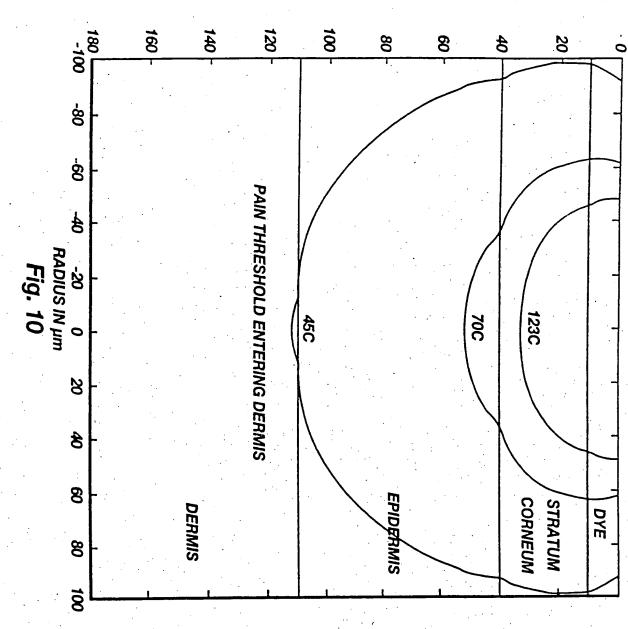
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-20 0 RADIUS IN µm **Fig. 9** 160

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DEPTH INTO SKIN IN MICRONS



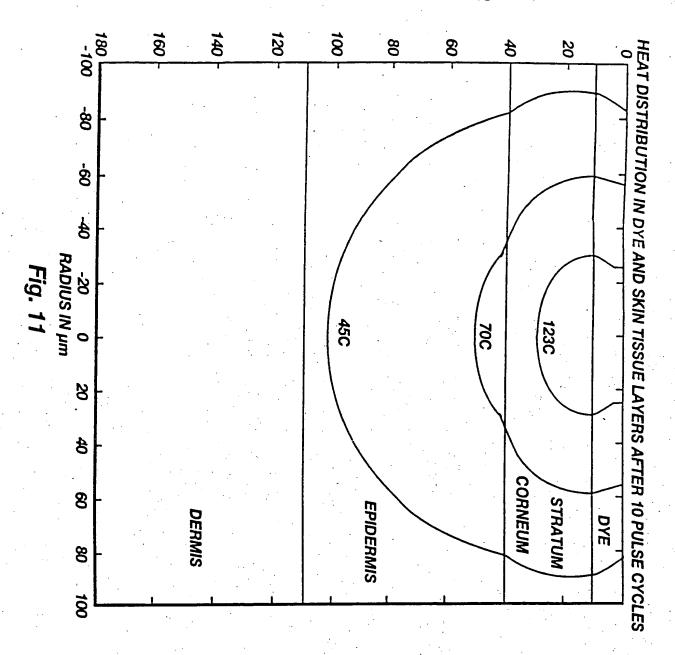
MAXIMUM LENGTH OF A SINGLE HEAT PULSE, t=.060 SECONDS, UNTIL PAIN THRESHOLD ENTERS ENERVATED TISSUE

Title MICROPORATION OF TISSUE FOR DELIVING Y ... Inventor(s): Jonathan A. EPPSTEIN

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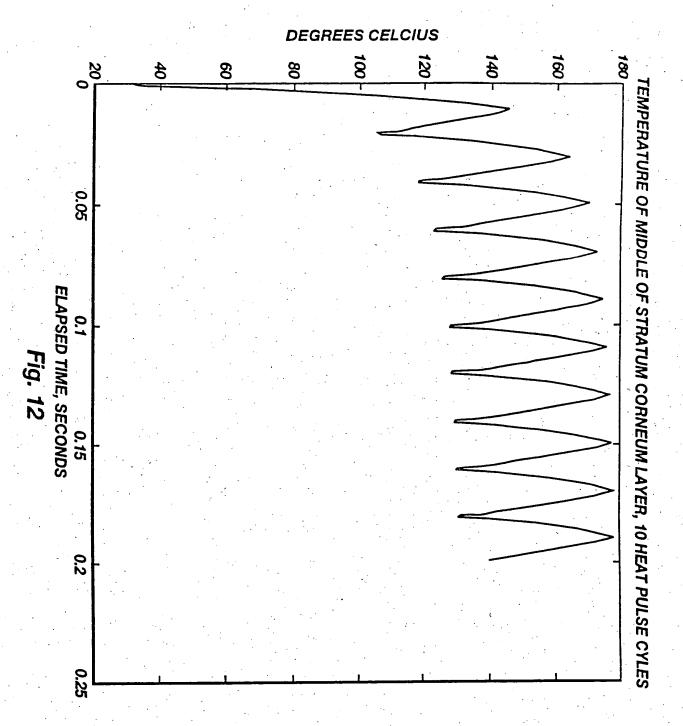
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Inventor(s): Jonathan A. EPPSTEIN
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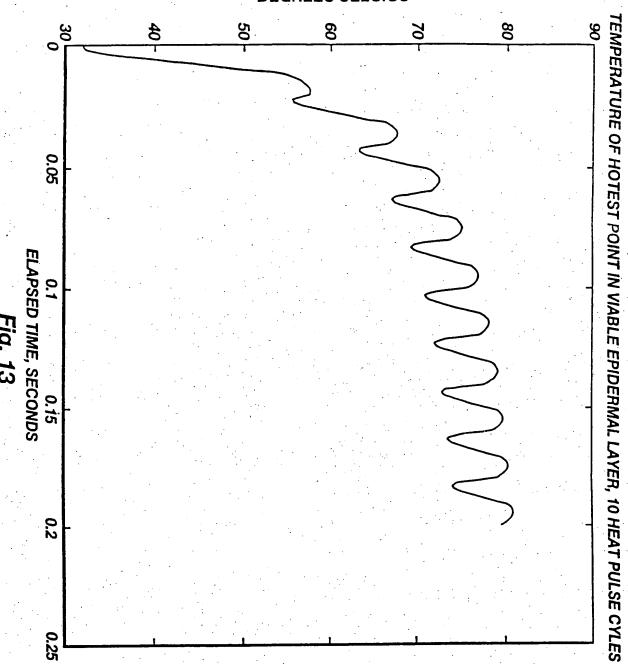
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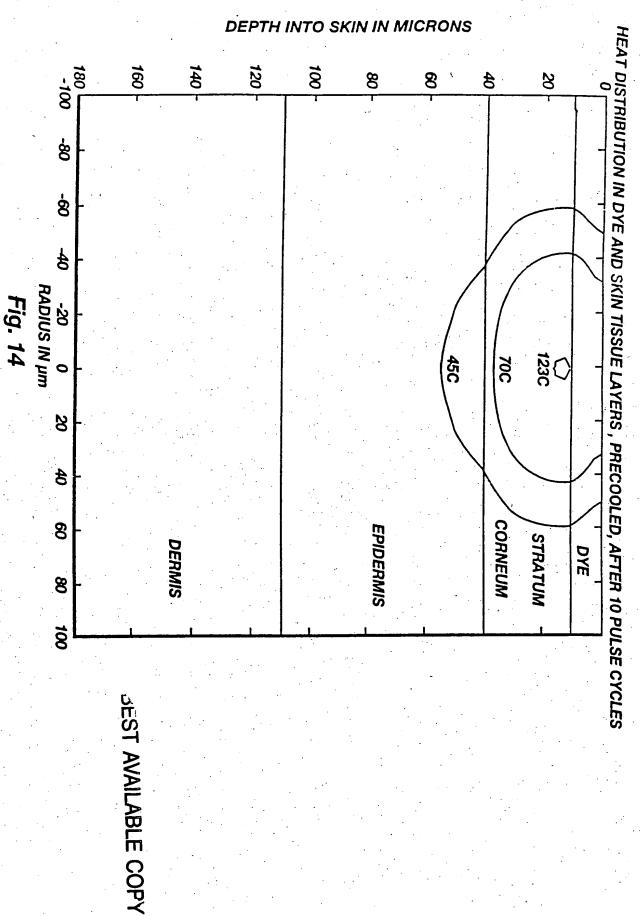
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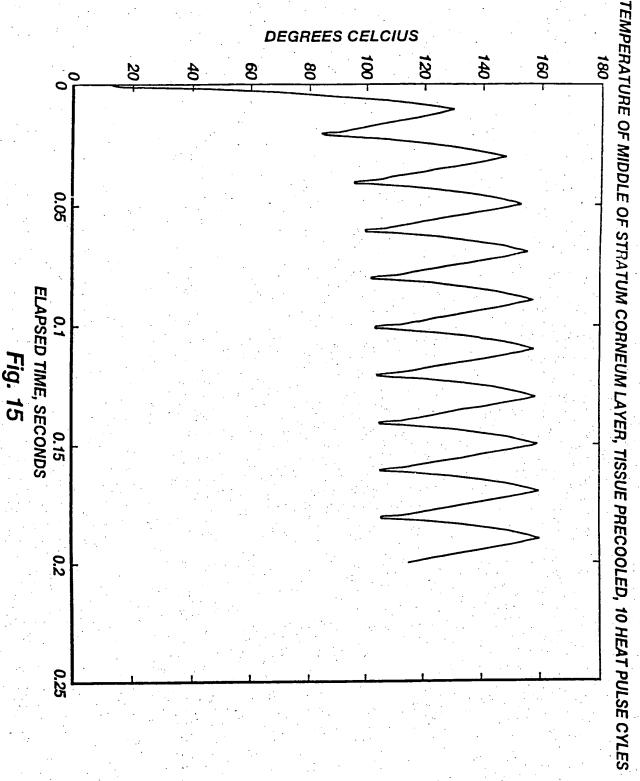
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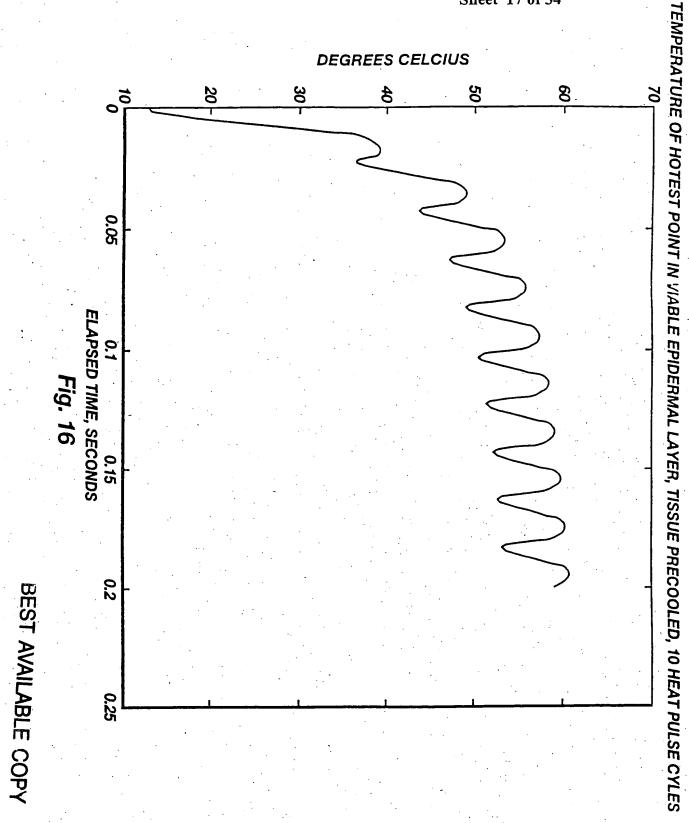
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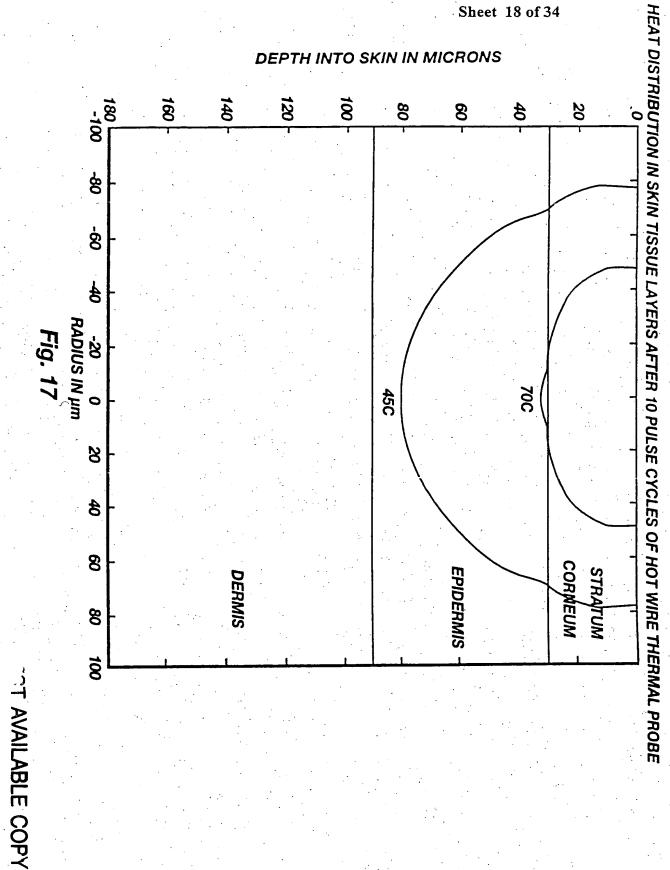


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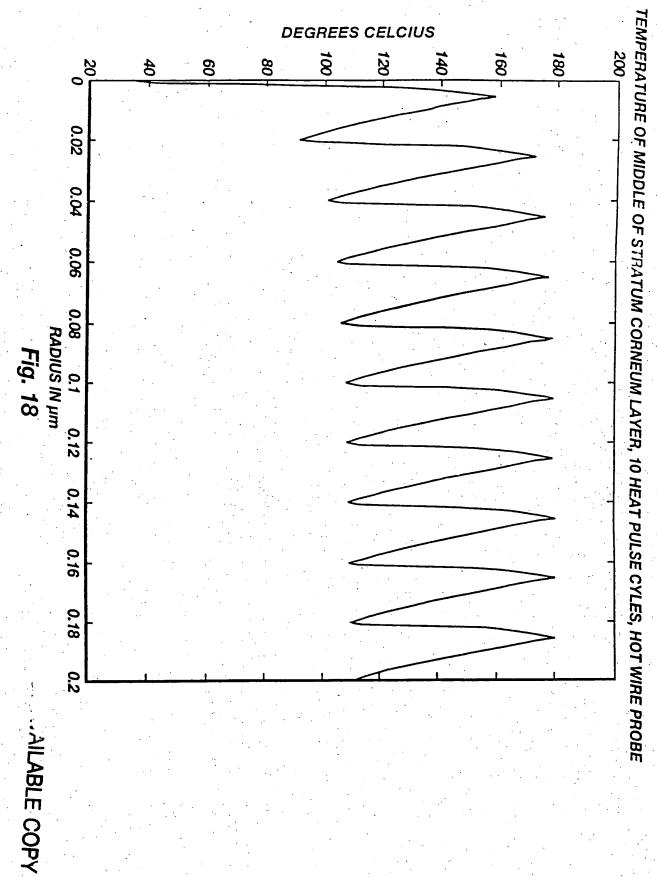


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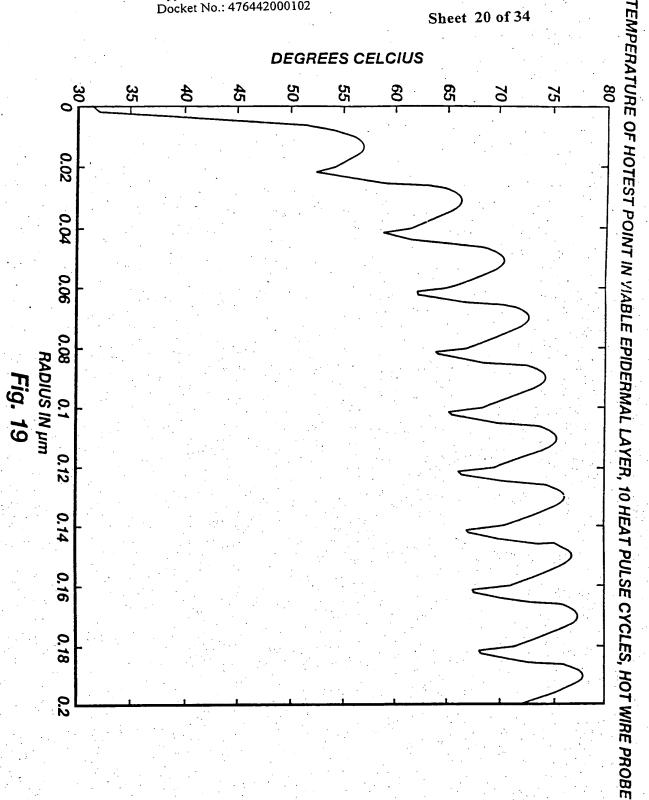
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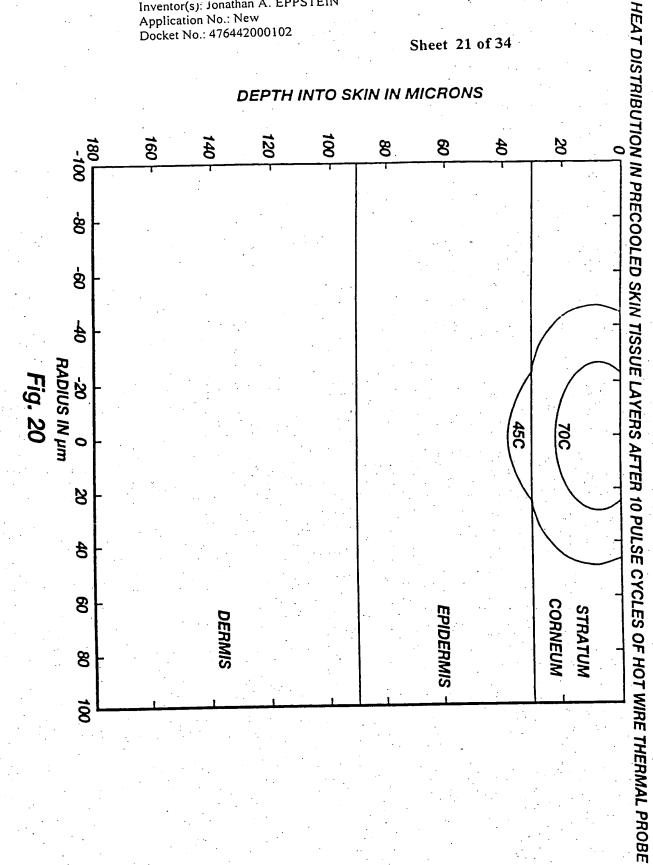


Title: MIG PORATION OF TISSUE FOR DELIVERY Inventor(s): Jonathan A. EPPSTEIN

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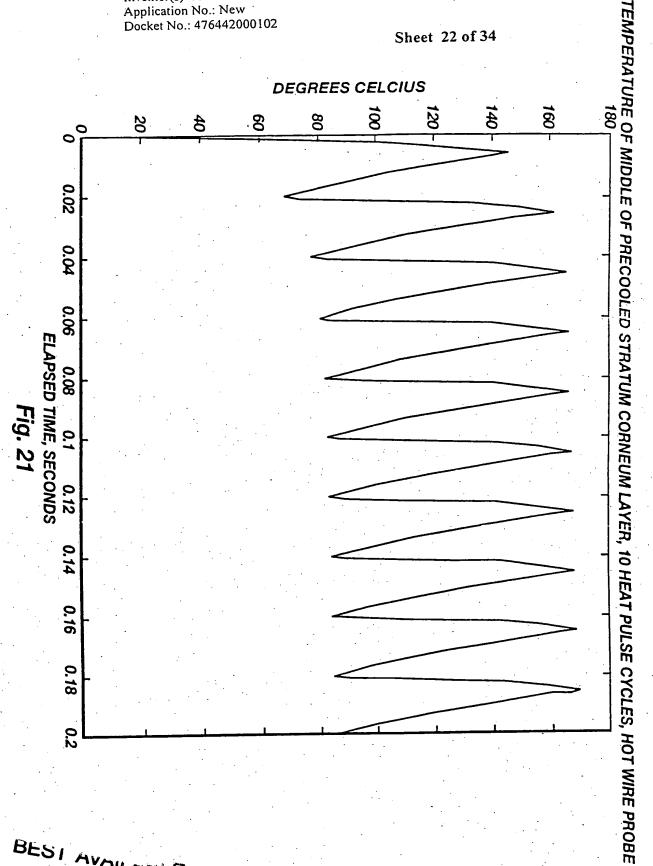
DEPTH INTO SKIN IN MICRONS



Title: MIC OPORATION OF TISSUE FOR DELIVERY Inventor(s, onathan A. EPPSTEIN

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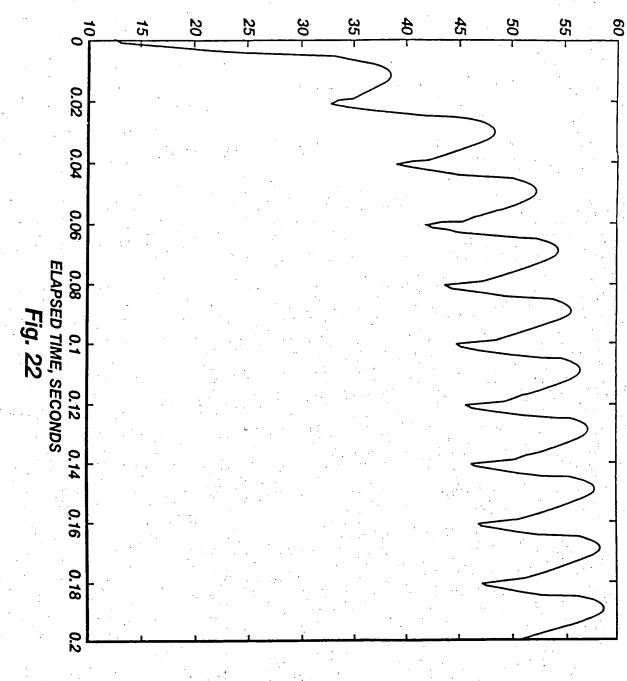
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TEMPERATURE OF HOTEST POINT IN VIABLE PRECOOLED EPIDERMAL LAYER, 10 HEAT PULSE CYCLES, HOT WIRE PROBE





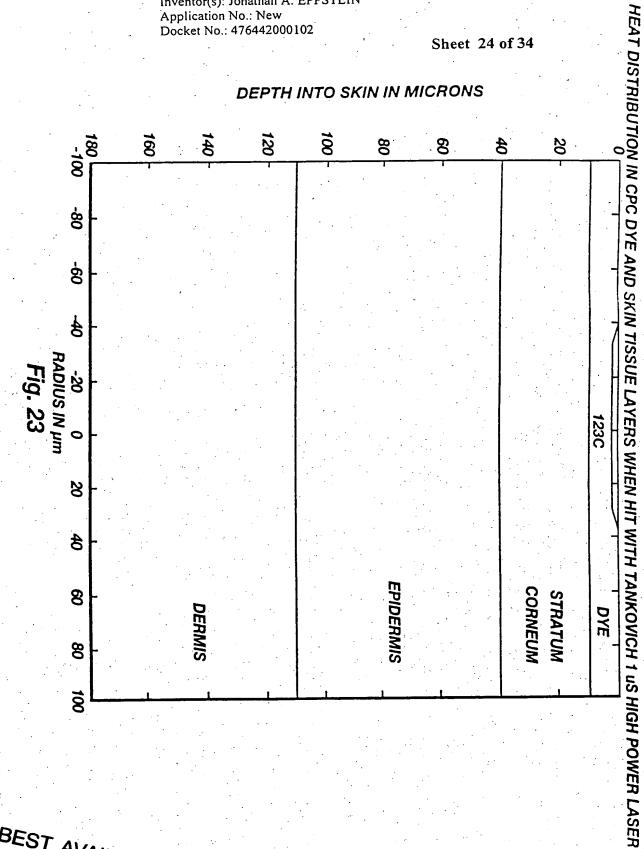
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Inventor(s): Jonathan A. EPPSTEIN

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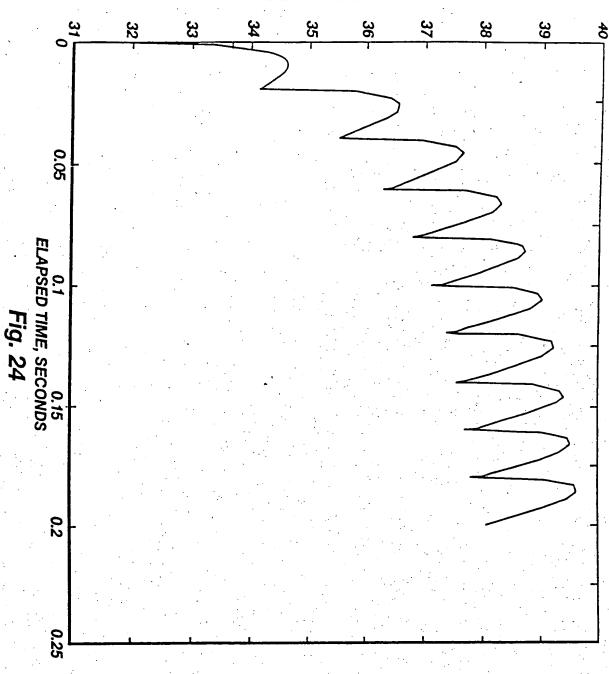
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TEMPERATURE OF MIDDLE OF STRATUM CORNEUM LAYER, 10 HIGH POWER, 1 uS LASER PULSES, AS PER TANKOVICH



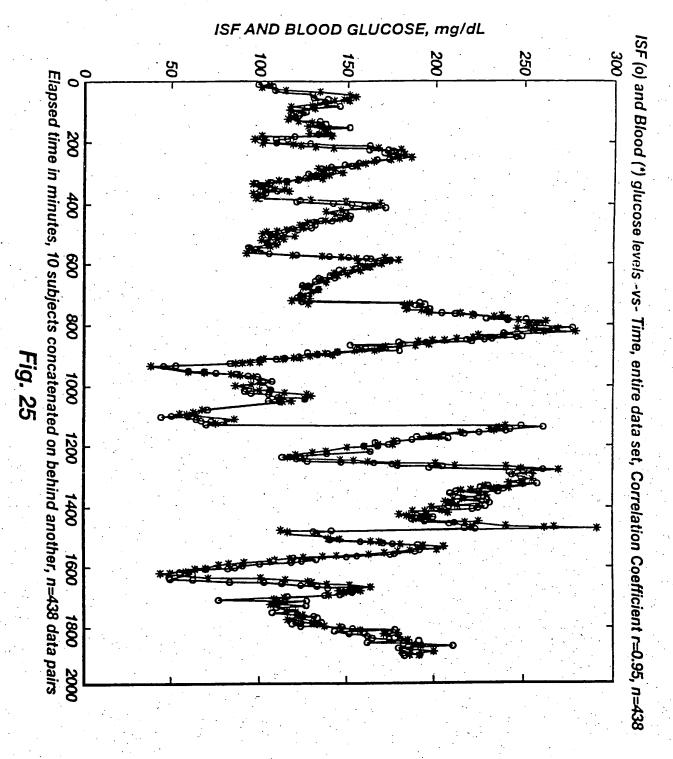


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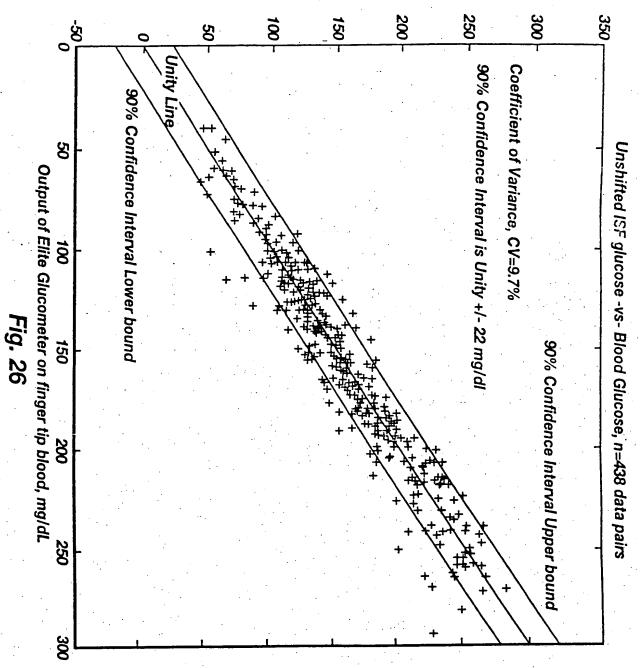


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Scaled Output of Elite Glucometer on ISF, mg/dL

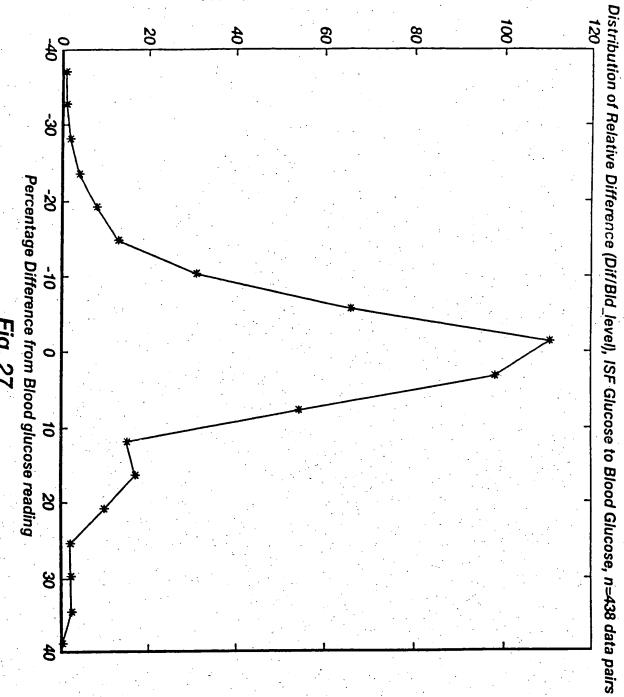


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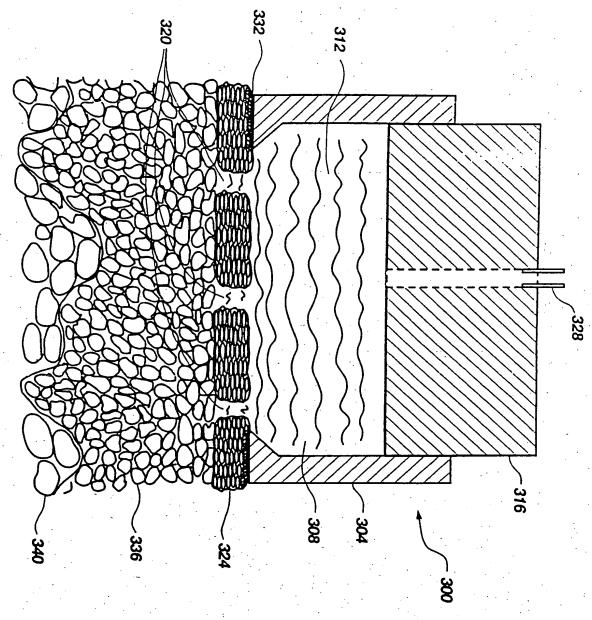
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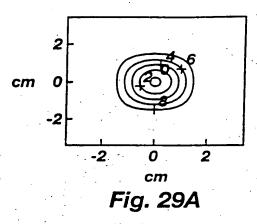


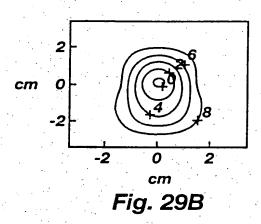
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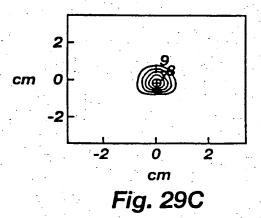
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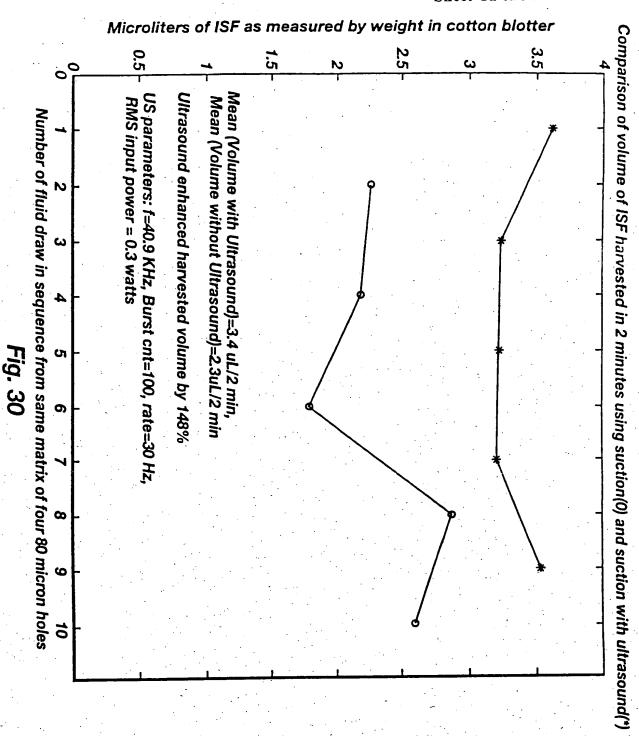






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